

Converting Colors

$Y_{xy}(41.7801, 0.3163, 0.2519)$

Have a look what the booklet for
Yxy(41.7801, 0.3163, 0.2519)
contains.

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Color

Yxy(41.7801, 0.3163, 0.2519)

Conversions

Conversions Part 1

Format	Color
Hex	DA96DA
RGB	218, 150, 218
RGB Percent	85%, 59%, 85%
CMY	0.1453, 0.4116, 0.1452
CMYK	0.00, 0.31, 0.00, 0.15
HSL	300°, 48%, 72%
HSV	300°, 31%, 85%
XYZ	52.4615, 41.7801, 71.6183
YIQ	178.0840, 18.7000, 35.5640

Conversions

Conversions Part 2

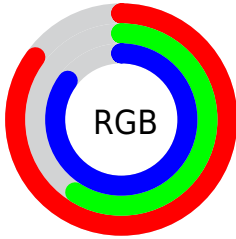
Format	Color
R_{YB}	218, 150, 218
Decimal	14325466
CIE _{Lab}	70.72, 36.36, -24.42
CIE _{LCh}	71, 43.795, 326.113
Yxy	41.7801, 0.3163, 0.2519
Android (android.graphics.Color)	4292515546 (0xFFDA96DA)
YUV	178.0840, 19.6786, 35.0063
Hunter-Lab	64.6375, 31.7595, -20.4470

Details

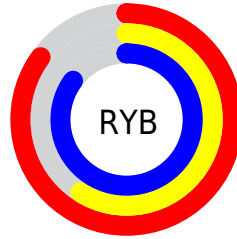
The Yxy color $41.7801, 0.3163, 0.2519$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $58.8288, 0.3085, 0.4204$, and the grayscale version is $44.4548, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $19.0611, 0.3160, 0.2327$ is the 20% darker color. If you saturate the color by 10%, you get $35.4565, 0.3174, 0.2283$, and if you desaturate by 10%, it is $49.4014, 0.3152, 0.2767$.

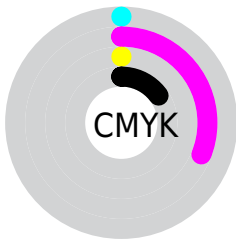
Distribution



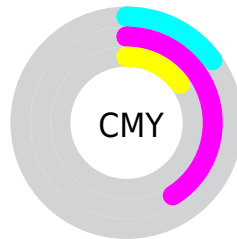
- Red (85%)
- Green (59%)
- Blue (85%)



- Red (85%)
- Yellow (59%)
- Blue (85%)



- Cyan (0%)
- Magenta (31%)
- Yellow (0%)
- Black (15%)





- Cyan (15%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7801, 0.3163, 0.2519 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 41.7801, 0.3163, 0.2519 by changing the saturation by 10% instead.

 41.7801, 0.3163,
0.2519


 41.7801, 0.3163,
0.2519

353.5706, 0.3155,
0.2886

 28.9291, 0.3162,
0.2433


 77.8667, 0.3162,
0.2648

 19.0272, 0.3160,
0.2327


 101.8711, 0.3161,
0.2698

 11.6900, 0.3155,
0.2190


130.3622, 0.3160,
0.2740

 6.5329, 0.3144,
0.2011

163.7243, 0.3159,
0.2777

 3.1718, 0.3120,
0.1765

202.3417, 0.3158,
0.2809

 1.2220, 0.3064,
0.1415

246.5990, 0.3157,


 0.0796, 0.3123,


0.2838


0.0257

296.8805, 0.3156,
0.2863


 0.0000, 0.0000,
0.0000


 41.7801, 0.3163,
0.2519


 41.7801, 0.3163,
0.2519

 35.4565, 0.3174,
0.2283


 49.4014, 0.3152,
0.2767

 30.3533, 0.3184,
0.2068


 58.3813, 0.3140,
0.3017

 26.3935, 0.3192,
0.1882


 68.7834, 0.3128,
0.3262

 23.4888, 0.3199,
0.1735

 80.6657, 0.3118,
0.3497

 21.5385, 0.3204,
0.1630


 91.4877, 0.3109,
0.3678


 20.4221, 0.3207,
0.1568

 91.4895, 0.3109,
0.3678

 19.9465, 0.3208,
0.1541

 91.4912, 0.3109,
0.3678

 91.4930, 0.3109,
0.3678

 91.4948, 0.3109,
0.3678

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7801, 0.2571, 0.2326



41.7801, 0.3163, 0.2519



41.7801, 0.3806, 0.2874

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.7801, 0.3163, 0.2519



41.7801, 0.4125, 0.4238



41.7801, 0.2097, 0.3079

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.7801, 0.3163, 0.2519



58.8288, 0.3085, 0.4204

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.7801, 0.2443, 0.3732



41.7801, 0.3163, 0.2519



41.7801, 0.3609, 0.4451

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.7801, 0.3163, 0.2519



41.7801, 0.4384, 0.3815



41.7801, 0.2992, 0.4279



41.7801, 0.2006, 0.2585

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7801, 0.3163, 0.2519



41.7801, 0.4151, 0.3171



41.7801, 0.2992, 0.4279



41.7801, 0.2185, 0.3289

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.7819, 0.3163, 0.2519



86.2191, 0.3137, 0.3069



33.7348, 0.2577, 0.2393



18.0118, 0.3139, 0.3032



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.7819, 0.3163, 0.2519



53.8381, 0.3170, 0.2372



40.2351, 0.3471, 0.2874



13.2745, 0.3138, 0.3060



11.9521, 0.3208, 0.1541



0.7744, 0.3208, 0.1541

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.9305, 0.3833, 0.3292



49.1902, 0.4038, 0.3292



60.0361, 0.2885, 0.3750



13.0516, 0.3292, 0.3290



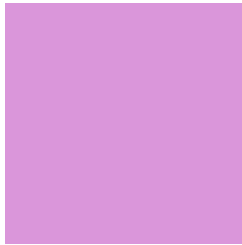
8.9301, 0.6400, 0.3299



0.5786, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 41.7801, 0.3163, 0.2519 looks on a white background.

Color Contrast Check

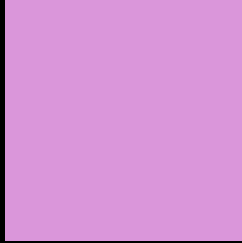
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 41.7801, 0.3163, 0.2519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

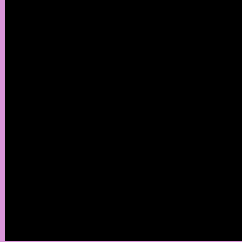
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7801, 0.3163, 0.2519

Background



This preview shows how black text looks on a background with the Yxy color 41.7801, 0.3163, 0.2519.



This preview shows how white text looks on a background with the Yxy color 41.7801, 0.3163, 0.2519.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.7801, 0.3163, 0.2519

Protanopia

42.0769, 0.2558, 0.2505

Deuteranopia

42.0395, 0.2777, 0.2723



Tritanopia

41.7336, 0.3533, 0.3144

Trichromacy



Original Color

41.7801, 0.3163, 0.2519



Protanomaly

41.3795, 0.2752, 0.2492



Deuteranomaly

41.6655, 0.2913, 0.2646



Tritanomaly

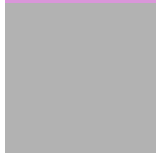
41.7039, 0.3394, 0.2907

Monochromacy



Original Color

41.7801, 0.3163, 0.2519



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

43.1930, 0.3142, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7801, 0.3163, 0.2519 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(218, 150, 218)` looks like.

```
.text, #text, p{  
    color:rgb(218, 150, 218)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(218, 150, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 150, 218) }
```

Border

The CSS property to change the border of an element to Yxy 41.7801, 0.3163, 0.2519 is called "border". The border property can be set on classes, ids or directly on the HTML element.

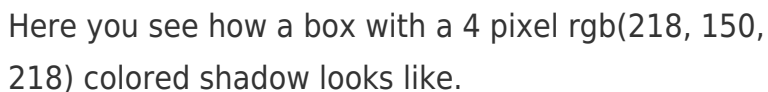
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 150, 218) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(218, 150, 218) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(218, 150, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 150, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 150, 218); box-shadow:4px 4px 4px 4px rgb(218, 150, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7801, 0.3163, 0.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 150, 218) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(218,  
150, 218) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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